

Claims

1. Remotely controllable switch unit for switching the mains inside an electrical installation, wherein the switch unit comprises:
 - 5 - an electrically controllable switch;
 - a control circuit for controlling the switch; and
 - a receiver coupled to the control circuit for receiving wireless signals, **characterized in that** the switch unit is adapted for mounting in a housing of a wall socket.
- 10 2. Switch unit as claimed in claim 1, **characterized in that** the depth of the switch unit is smaller than 32 mm.
- 15 3. Switch unit as claimed in claim 1 or 2, **characterized in that** the switch unit is combined with a flush-mounted box, and that the maximum depth of the switch unit is at least 8 mm smaller than the maximum depth of the flush-mounted box.
4. Switch unit as claimed in claim 1, 2 or 3, **characterized in that** the switch unit is provided with an operating element of usual type for operating the switch.
- 20 5. Switch unit as claimed in claim 1, 2 or 3, **characterized in that** the switch unit is provided with the female part of a wall socket.
- 25 6. Switch unit as claimed in any of the foregoing claims, **characterized in that** the switch unit is provided with an on/off switch.
7. Switch unit as claimed in claim 6, **characterized in that** the switch unit is provided with a dimmer.
- 30 8. Switch unit as claimed in claim 7, **characterized in that** the control circuit is adapted to sense the nature of a load connected to the female part of the wall socket and to block the dimming function when the load is not substantially formed by a resistance.

17. Switch unit as claimed in any of the foregoing claims, **characterized in that** the switch unit comprises a relay for switching the connection between one of the contacts and one of the terminals.

5 18. Switch unit as claimed in any of the foregoing claims, **characterized in that** the switch unit is adapted to measure the power of the load connected to the switch unit.

19. Switch unit as claimed in claim 17, **characterized in that** the control circuit is adapted to transmit a signal representing the measured power to another element of the
10 network.